

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number
WO 2005/028776 A1

(51) International Patent Classification⁷:
E04H 17/16, E01D 19/10, B63B 17/04

E04F 11/18,

(72) Inventor; and

(75) Inventor/Applicant (for US only): ADDERTON, David
[AU/AU]; 3 Staite Street, Wingfield, S.A. 5013 (AU).

(21) International Application Number:

PCT/AU2004/001264

(74) Agent: MADDERNS; Level 1, 64 Hindmarsh Square,
Adelaide, S.A. 5000 (AU).

(22) International Filing Date:

17 September 2004 (17.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003905113 19 September 2003 (19.09.2003) AU

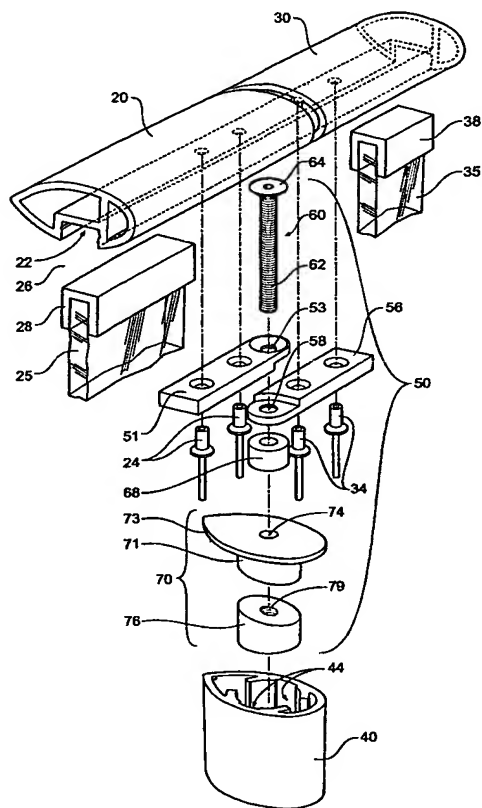
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (for all designated States except US): HARKK
PTY LTD [AU/AU]; 3 Staite Street, Wingfield, S.A. 5013
(AU).

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: HANDRAIL OR TOP RAIL, POST AND PANEL ASSEMBLY AND CONNECTOR THEREFOR



(57) Abstract: A rail and supported panel assembly (10) is disclosed. The assembly comprises: first and second rail portions (20 & 30), each portion having a constant cross section, the cross section defining an elongate recessed channel (22) on an underside; a panel (25) supported at a top edge thereof within the recessed, channel (22) of either one of the rail portions; a post (40) for supporting the rail portions (20 & 30); and a rail-to-post connection assembly (50) located between the post and the rails (20 & 30). The connection assembly (50) has: a pair of partially overlapping arms (51 & 56), each arm fitting wholly or substantially within a respective recessed channel (22), wherein the arms are movable with respect to each other about the pivot to accommodate a range of first and second rail portion alignment angles.

WO 2005/028776 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*